



Affiliated to
Hemchand Yadav
University
(Durg University)

Sai College

(SAI MAHAVIDYALAYA)

(Under Section 2 (f) of the U.G.C Act)

Emerging as

No. **1** College of Bhilai - Durg

BCA

BBA

B.Com.

♦ PLAIN ♦ COMPUTER APPLICATIONS

M.Com.

B.Sc.

♦ BIOTECHNOLOGY ♦ MICROBIOLOGY ♦ BIOLOGY
♦ MATHS ♦ COMPUTER SC.

B.Lib.*

PGDCA

DCA

Computer Lab with 400+ Computers

Well equipped labs in all subjects

Qualified and experienced teaching faculty

Hostel facility for Boys & Girls

1:1 Student Computer ratio

M.Sc.

- Biotechnology
- Chemistry
- Computer Sc.

Well stocked Library

(Students need not purchase books during the course)
(पूरे कोर्स के दौरान छात्रों को पुस्तकें खरीदने की आवश्यकता नहीं है,
कॉलेज पुस्तकालय से पुस्तकें उपलब्ध कराई जाती हैं।)

Sai College

STREET 69, SECTOR 6, BHILAI, DISTRICT-DURG (CHHATTISGARH)

Tel. 96303 01027, 0788-3500181

Admission Helpline : 7024 886 996

Email : director@saicollege.in, www.saicollege.org

*proposed from 2022-23



BCA (Bachelor of Computer Application)

Duration - 3 Years
Eligibility - Class 12th

PART - I

- Discrete Mathematics
- Computer Fundamentals
- Programming in 'C' Language
- PC Software & Multimedia
- Web Technology & E-Commerce
- Communication skills
- Lab-I : Programming Lab In C
- Lab-II : PC Software Lab
- Lab-III : Web Technology Lab

PART - II

- Calculus and Differential Equations
- Database Management System
- Programming in C++
- Computer Networks
- Operating Systems with Linux
- Foundation Course
- LAB IV Programming Lab in C++
- LAB V Database Management System Lab
- LAB VI Operating System Lab

PART - III

- Statistical Analysis
- Programming in Python
- DOT Net Technology
- Software Engineering
- Data Structure
- Computer System Architecture
- LAB VII - Programming in Python
- LAB VIII - DOT Net Technology Lab
- Project

● Bridge Course in Maths (For Non Maths Students Only)

BBA (Bachelor of Business Administration)

Duration - 3 Years
Eligibility - Class 12th

SEMESTER - I

English
Computer Application
Business Mathematics
Principles of Management
Financial Accounting

SEMESTER - II

Hindi
Business Economics
Business Statistics
Cost Accounting
Environmental Studies

SEMESTER - III

Managerial Economics
Business Communication
Business Laws
Business and Environment
Mgmt. Information System (MIS)

SEMESTER - IV

Organisational Behaviour
Marketing Management
HRM
Financial Management
Production Management
Comprehensive Viva

SEMESTER - V

Marketing Research
Quantitative Techniques
Sales & Advertisement Management
Investment Management
Material Management

SEMESTER - VI

Business Policy and Strategy
Enterprenuership & Small Busi. Mgmt.
Business Taxation
Business Ethics
Project Report and Viva-Voce

DCA (Diploma in Computer Application)

Duration - 1 Year
Eligibility - Class 12th

SEMESTER - I

DCA 101 Essential of Information Technology & OS
DCA 102 Essentials of Office Automation
DCA 103 Programming in C Language
DCA 104 Practical based on DCA 102 & DCA 103

SEMESTER - II

DCA 105 GUI Programming in Visual Basic
DCA 106 E-Commerce
DCA 107 HTML & Internet Applications
DCA 108 Practical based on DCA 105 & DCA 107



B.Com. (Bachelor of Commerce)

Duration - 3 Years
Eligibility - Class 12th

PART - I

PART - II

PART - III

Environmental Studies
Field Work

Environmental Studies
Field Work

A. FOUNDATION COURSE

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A. Hindi Language B. English Language

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B. THREE COMPULSORY GROUPS

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GROUP - I :

A. Financial Accounting
B. Business Communication

GROUP - I :

A. Corporate Accounting
B. Company Law

GROUP - II :

A. Business Mathematics
B. Business Reg. Framework

GROUP - II :

A. Cost Accounting
B. Principles of Business Management

GROUP - III :

A. Business Environment
B. Business Economics

GROUP - III :

A. Business Statistics
B. Fundamental of Entrepreneurship

A. FOUNDATION COURSE - i) Hindi Language - I ii) English Language - II
COMPULSORY GROUPS

GROUP - I :

i. Income Tax ii. Auditing

GROUP - II :

i. Indirect Taxes with GST ii. Management Accounting

GROUP - III Optional :

Option Group A (Finance Area)

i. Financial Management ii. Financial Market Operations

Option Group B (Marketing Area)

i. Principles of Marketing ii. International Marketing

Option Group C (Commercial Area)

i. Information Technology and its Applications in Business

ii. Essential of e-Commerce

Option Group D (Money Banking & Insurance Area)

i. Fundamental of Insurance ii. Money & Banking System

B.Sc. (Bachelor of Science)

Duration - 3 Years
Eligibility - Class 12th in respective subject

B.Sc. - Biotechnology

B.Sc. - Microbiology

Option-I - Biotechnology, Chemistry, Zoology
Option-II - Biotechnology, Chemistry, Botany

Option-I - Microbiology, Chemistry, Zoology
Option-II - Microbiology, Chemistry, Botany

B.Sc. - Biology

Option-I - Chemistry, Zoology, Botany

B.Sc. - Computer Science

B.Sc. - Maths

Option-I - Physics, Maths, Computer Science

Option-I - Physics, Chemistry, Maths

Additional Subject for B.Com. (Computer Application)

PART - I

Computer Fundamentals
PC Software & Multimedia

PART - II

Internet Application & E-Commerce
Relational Database Management System

PART - III

Programming in Visual Basic
System Analysis, Design & MIS



M.Sc. (Chemistry)

Duration - 2 Years

SEMESTER - I

- Group Theory and Chemistry of Metal Complexes
- Concepts inorganic Chemistry
- Quantum Chemistry, Thermodynamics and Chemical Dynamics - I
- Theory and Applications of Spectroscopy - I
- Lab Course - I
- Lab Course - II

SEMESTER - II

- Transition Metal Complexes
- Reaction Mechanisms
- Quantum Chemistry, Thermodynamics and Chemical Dynamics - II
- Theory and Applications of Spectroscopy - II
- Lab Course - III
- Lab Course - IV

SEMESTER - III

- Resonance Spectroscopy, Photochemistry and Organocatalysis
- Chemistry of Biomolecules
- Catalysis, Solid State and Surface Chemistry
- Analytical Techniques and Data Analysis
- Lab Course - V
- Lab Course - VI

SEMESTER - IV

- Instrumental Methods of Analysis
- Natural Product and Medicinal Chemistry
- Material and Nuclear Chemistry
- Environmental and Applied Chemical Analysis
- Chemistry of Surfactants
- Nano Chemistry
- Polymers
- Lab Course - VII
- Lab Course - VIII

M.Sc. (Biotechnology)

Duration - 2 Years

SEMESTER - I

- Cell & Development Biology
- Genetics
- Microbial Physiology
- Bio-molecules

SEMESTER - II

- Biostatistics & Computer Applications in Biotech.
- Molecular Biology
- Plant Biotechnology
- Macromolecules & Enzymology

SEMESTER - III

- Genetic Engineering
- Biology of Immune System
- Bioprocess Engineering & Technology
- Environmental Biotechnology

SEMESTER - IV

- Basic Concept of Bioinformatics & Nano Biotechnology
- Advanced techniques in Biotechnology
- Animal Biotechnology
- Functional Genomics & Proteomics Or
- Project Work/Dissertation



M.Com. (Master in Commerce)

Duration - 2 Years
Eligibility - B.Com.

SEMESTER - I

Managerial Economics
Advanced Accounting
Income Tax Law and Accounts
Statistical Analysis
Corporate Legal Framework

SEMESTER - II

Business Economics
Specialized Accounting
Tax Planning and Management
Advanced Statistics
Business Laws

SEMESTER - III

Management Concept
Organisational Behaviour
Advance Cost Accounting
Management Accounting
Accounting for Managerial Decision

SEMESTER - IV (Optional Specialization)

Group A (Marketing)

Principle of Marketing
Advertising & Sales Management
Marketing Research
International Marketing

Group B (Management)

Financial Management
Personnel Management
Production Management
Strategic Management

Group C (Banking & Insurance)

Banking Practices
Banking Institution of India
Life Insurance
General Insurance

Group D (Taxation & Accounting)

Direct Tax in India
Indirect Tax
Accounting in Service Sector
Accounting Methods

Group E (Business Env. & Finance & Research)

Business Environment
Financial Institutions
Research Methodology
Security Analysis

M.Sc. (Computer Science)

Duration - 2 Years

SEMESTER - I

- Mathematical Foundation of Computer Science
- Advance Operating System
- Data Structure through algorithms using 'C'
- Object Oriented Programming using C++
- Computer System Architecture
- Programming Lab based on Paper III
- Programming Lab based on Paper IV

SEMESTER - II

- RDBMS (SQL Programming with Oracle)
- Advanced Computer Networks
- Programming in Visual Basic
- Principles of Compiler Design
- Numerical Analysis
- Practical based on Paper I
- Practical based on Paper III

SEMESTER - III

- Programming in Java
- Computer Graphics
- LINUX
- Image Processing
- Object Oriented Analysis and Design
- Practical based on Paper I
- Practical based on Paper III

SEMESTER - IV

- Software Engineering
- Artificial Intelligence and Expert System
- Elective
 1. Data Mining & Data Warehousing
 2. Adv. Computer Architecture
- Major Project Paper Publication (recommended)

PGDCA (Post Graduate Diploma in Computer Application)

Duration - 1 Year
Eligibility - Graduation

SEMESTER - I

PGDCA-101	Introduction to Software Organization
PGDCA-102	Programming in C
PGDCA-103	Office Automation & Tally
PGDCA-104	Practical based on PGDCA-103
PGDCA-105	Practical based on PGDCA-102

SEMESTER - II

PGDCA-106	GUI-Programming in Visual Basic
PGDCA-107	Database Management System
PGDCA-108	Essential of E-Commerce & HTML
PGDCA-109	Practical based on PGDCA-106, PGDCA-107 & PGDCA-108
PGDCA-110	Project

क्रमांक : 5



पं. रविशंकर शुक्ल विश्वविद्यालय रायपुर (छ.ग.)

प्रमाण पत्र

प्रमाणित किया जाता है कि पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर द्वारा सभी सम्बद्ध अशासकीय महाविद्यालयों के लिए स्थापित गुणवत्ता मापदण्ड के अनुसार निर्मित निष्पादन अनुक्रमणिका में सत्र 2012-13 के लिए साईं महाविद्यालय, भिलाई, जिला - दुर्ग ने पूर्णांक 1.00 में से 0.83 अंक अर्जित कर चतुर्थ स्थान प्राप्त किया है।

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर, महाविद्यालय को यह प्रमाण पत्र प्रदान कर उसके उत्तरोत्तर उद्घाति की कामना करता है।

स्थान : रायपुर
दिनांक : 01 मई 2014

कुलसचिव

B.Lib.* (Bachelor of Library & Information Science)

Duration - 1 Year
Eligibility - Graduation

Library Organisation and Management
Library Cataloguing and Bibliography
Reference Sources and Services
Documentation and Information Services
Computer Application in Libraries
Library Classification (Theory)
Library Classification (Practical)
Library Cataloguing (Practical)

* Proposed for 2022-23

पं. रविशंकर शुक्ल विश्वविद्यालय ने

SAI COLLEGE, BHILAI

को सत्र 2012-13 के लिए
समस्त Affiliated Private Colleges में
83% अंक देकर

4th RANK

प्रदान किया

Sai College

Affiliated to Hemchand Yadav University as per Chhattisgarh Vishwavidyalaya
Amendment Act 2015 dt. 24.04.2015
&
Previously Affiliated to Pt. Ravishankar Shukla University, Raipur since 2005